ALCOFIND

Breath Alcohol Tester

Fuel cell sensor
Personal & professional use alcohol tester

DA-8100

Instruction Manual

- Fuel Cell Sensor
- High Accuracy & Precision
- Reliability & Stability
- User adjustable settings
  blow time / unit / beep alarm /
  flow detecting)

CE RoHS Please read the user's manual carefully before use.

Introduction

Thank you for purchasing our product.
ALCOFIN D DA-8100 is a breathalyzer with a fuel cell sensor.
It offers enhanced accuracy and it is easy to carry.
It is suitable for personal use as well as professional use.
It provides linear accuracy with high-reliability.

Contents

- Digital Breathalyzer ALCOFIND DA-8100
- Two AA size batteries
- 6 (six) mouthpieces
- Carrying case
- Hand strap
- User's manual

Name of Each Part

Product Specifications

Indication of B.A.C.	0.000 ~ 0.500%BAC
	0.00 ~ 5.00‰
	0.00 ~ 2.50mg/l
Accuracy	+/- 0.005%BAC at 0.1%BAC at 25 ˚C
	+/- 0.05‰ at 1.0‰ at 25 ˚C
	+/- 0.025mg/l at 0.50mg/l at 25 ˚C
Warm up time	Within 15 seconds at 0.50g/l(‰)
	warm up time may vary depending on the BAC measured.
Sensor	Fuel cell sensor
Power supply	Two AA size alkaline batteries
Battery Life	Approx. 1500 tests
Dimensions(WxHxD)	52mm x 123mm x 29mm
Weight	127g including batteries
Calibration	every 12 months or after 500 tests
Operating temperature	5 ~ 40 ˚C

The specifications are subject to change without prior notice for functional improvements.

How To Use

1. Initial Use

Press down the battery cover of the unit to open it and install two AA size 1.5 V alkaline batteries paying attention to the battery polarity. Close the battery cover and insert the mouthpiece into the slot.

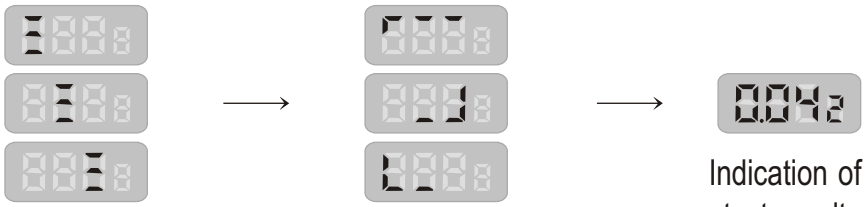
2. How to test Breath Alcohol Concentration

a) Press the start button and unit will display the total number of tests performed for a second and will begin a countdown.

b) When the countdown reaches "0" (zero), then blow into the mouthpiece for more than 4~5 seconds until there is a double beep sound.

c) Once the sensor has analyzed the breath sample, it will display the estimated Blood Alcohol Concentration.

(When the unit operates normally)



Breath sampling → Breath Analyzing → Indication of test result

Error Messages

If the user does not blow a sufficient breath sample, the LCD will display "FLo".
Press "start" to restart the countdown cycle and retest.

If there is no breath sample blown within 30 seconds, the LCD will display "OUT".
Press "start" to restart the countdown cycle and retest.

If the unit is powered on outside of the acceptable temperature range (5~45℃) the unit will display Out °C and the test cannot be performed.

If the battery indicator display is empty, install two new alkaline AA batteries.

3. How to adjust measurement "unit"

a) Press the start button and the unit will display the total number of tests performed for a second and will begin a countdown.

b) During the countdown, press and hold the mode button for more than 5 seconds until the unit displays

c) By pressing the start button, the measurement unit can be adjusted.

4. How to adjust "beep" (audible warning)

a) Press the start button and the unit will display the total number of tests performed for a second and will begin a countdown.

b) During the countdown, press and hold the mode button for more than 5 seconds until the unit displays

If you press the mode button again shortly, the unit displays

c) By pressing the start button, you can adjust the beep level.

5. How to adjust "blow time"

a) Press the start button and the unit will display the total number of tests performed for a second and will begin a countdown.

b) During the countdown, press and hold the mode button for more than 5 seconds until the unit displays

Press mode button shortly until the unit displays

c) By pressing the start button, the blow time can be adjusted.

6. How to adjust "flow detecting setting"

a) Press the start button and the unit will display the total number of tests performed for a second and will begin a countdown.

b) During the countdown, press and hold the mode button for more than 5 seconds until the unit displays
Press mode button shortly until the unit displays

c) The flow detecting setting can be adjusted by pressing the start button.

d) Three kinds of settings are available - Low, High, User.

Flow Detection Settings

Use this option to adjust how hard a user is required to blow.
Press Start to change the settings.

Low level flow detection
This is the default setting for the unit.

High level flow detection
Press start to change to the high level flow setting.
This level requires a stronger breath by the user and is recommended if previous test attempts have been unsuccessful.

User activated test mode
Press Start again to change to the USER activated test mode.
When testing in this mode, the operator must press Start to take a breath sample during blowing and to perform a test.

Warnings

- Wait at least 20 minutes after drinking alcohol to test blood alcohol concentration.
- For protection of the sensor, avoid direct sunlight, extreme temperature, humid places. Keep the device in a well ventilated place and keep out of reach of children.
- When not used for a long time, store the device without the batteries.
- The test results can be inaccurate for about first three tests after a long-term storage.
- We recommend you to replace the disposable mouthpiece for sanitary purpose.
- Do NOT use the device as a tool to determine "drink and drive".
- The manufacturer and seller will not take any legal responsibility for the measured test value.
- Shocking during the test might cause wrong test result.
- When the battery icon is flickering, then use new batteries for the precise test.
- If test result shows 0.1%BAC or higher, then warm up time might be delayed.
- Test under loud noise could be the reason of malfunction. In this case, try again in a quiet place.
- If you perform testing at 10℃ or below, the test result might be inaccurate.
- In case some amount of moisture and/or saliva enters into the breathalyzer, it might cause malfunction of the device. In this case please wait at least 1~2 hours before using, until the moisture and/or saliva dried up.

Warranty Card

<table>
<tr><td>Product</td><td colspan="3">Digital Breathalyzer ALCOFIND DA-8100</td></tr>
<tr><td>Purchasing Date</td><td>(DD-MM-YY)</td><td>Seller</td><td>Shop name
Owner name</td></tr>
<tr><td>Warranty Period</td><td colspan="3">■ The manufacturer warrants the product to be free from defects in workmanship or material (excluding calibration) under normal use either for 1(one) year from date of purchase.
The manufacturer's obligation under this warranty is limited to replacing, adjusting or repairing the unit at manufacturer's option, if returned along with proof of purchase.
■ For any defects due to natural disaster or customer's negligence, misuse, reconstruction and repair by unauthorized person, reasonable cost shall be charged for repair or part replacement.</td></tr>
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Customer Service

For any question, after sales service, product calibration or purchasing mouthpiece, please get in contact with the nearest distributor in your country.

Distributor